

Patent Abstracts of Japan

PUBLICATION NUMBER : 59081655
PUBLICATION DATE : 11-05-84

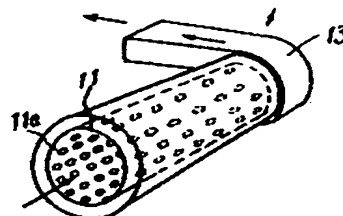
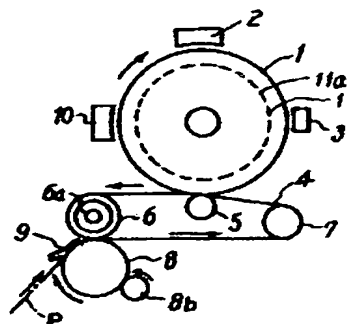
APPLICATION DATE : 02-11-82
APPLICATION NUMBER : 57191824

APPLICANT : KONISHIROKU PHOTO IND CO LTD;

INVENTOR : ITO KUNIO;

INT.CL. : G03G 15/00 G03G 15/00 G03G 15/16

TITLE : IMAGE RECORDING DEVICE



ABSTRACT : PURPOSE: To prevent temp. rise of a photoreceptor even when a device contg. a heating means for a transfer device, by installing an inner cylinder in the inside of an outer cylinder having an image forming layer, and introducing the air sent into the inside of the inner cylinder through ventilating holes of the inner cylinder into the inside of the outer cylinder.

CONSTITUTION: A latent image formed on the surface of an image forming cylinder 1 rotating in the arrow direction is developed with a developing mechanism 3, the toner image is transferred to an intermediate transfer medium 4 with a pressing transfer roll 5, and the transferred image is further transferred to a recording material P with a pressing transfer roll 8 to record the image. Since the toner image is heated with a heating roll 6 in order to improve transfer and fixing onto the recording material P, the temp. of the cylinder 1 rises, but the inside of the cylinder 1 is cooled and kept at low temp. by sending the air into the inner cylinder 11 formed in the inside of the cylinder 1, and introducing it through the ventilating holes 11a, and blowing it against the inside wall of the cylinder 1.

COPYRIGHT: (C)1984,JPO&Japio